

RECEIVED  
CENTRAL FAX CENTER**Kirkpatrick & Lockhart Nicholson Graham LLP**Henry W. Oliver Building **APR 22 2005**  
535 Smithfield Street  
Pittsburgh, PA 15222-2312  
412.355.6500  
Fax: 412.355.6501  
Fax: 412.355.6461**FAX**

Date • April 22, 2005

Pages • 13

Time •

Transmit To • Examiner Jonathan Crepeau, Art Unit 1746

Company/Firm • United States Patent and Trademark Office

Telephone No. • 571 272-1299

Fax No. • 571 273-1299

From • Bernard G. Pike

Phone • 412.355.8620

Secretary • Patricia A. Mack

Phone • 412 355-6410

Attorney No. • 539

Client/Matter Name Massachusetts Institute of Technology

Client ID/Matter No. • 0216490.0005

**COMMENTS:** RE: Our file 010400A

Please confirm receipt of this facsimile to 412 355-3707

When you are sending to us, please be sure to include a cover sheet with your transmittal and a telephone number where you can be contacted in case of equipment malfunction.

Transmitted by:

Time:

**IMPORTANT:** The materials transmitted by this facsimile are sent by an attorney or his/her agent, and are considered confidential and are intended only for the use of the individual or entity named. If the addressee is a client, these materials may also be subject to applicable privileges. If the recipient of these materials is not the addressee, or the employee or agent responsible for the delivery of these materials to the addressee, please be aware that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us at 412.355.6500 (collect) and return the transmitted materials to us at the above address via the U.S. Postal Service. We will reimburse you any costs incurred in connection with this erroneous transmission and your return of these materials. Thank you. Please report problems with reception by calling 412.355.6500.

PI-1302333 v1

RECEIVED  
CENTRAL FAX CENTER

APR 22 2005

Attorney Docket No. 010400

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit: 1746

Examiner: J. Crepeau

In re Application of  
Jensen et al.

Serial No.: 09/923,139

Filed: 06 August 2001

:  
:  
: Title : THERMALLY EFFICIENT  
: MICROMACHINED DEVICE  
:  
:  
:  
:  
:  
:  
:

SUPPLEMENTAL RESPONSE TO FINAL OFFICE ACTION

Pittsburgh, Pennsylvania 15222  
April 22, 2005

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed 16 December 2004 (the "Office Action")  
in the above-referenced patent application (the "Subject Application"), Applicants  
submits a new listing of the claims to replace the listing of claims submitted in the  
RESPONSE TO OFFICE ACTION filed on 22 March 2005 (the "Response"):

**Replacement Listing of Claims** begin on page 2; and

**Remarks** begin on page 12.